

# MIAC

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## Quick Start Guide



Important information  
Please read carefully

**MATRIX**

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# MIAC

## Quick Start Guide

Thank you for purchasing a Matrix Multimedia MIAC controller.

### **Important!**

Please refer to the CD accompanying the MIAC for important information regarding the use of this equipment.

#### **CD resources:**

The following can be found in the “MIAC” folder of the CD:-

- The MIAC '**Operation and Programming Guide**' which includes technical details, safety recommendations, connection details, and programming and operation instructions.
- Example programs to demonstrate some of the MIAC features.

Other items on the CD include:-

- A special version of **Flowcode V3** to allow programs to be written and downloaded to the MIAC  
**Note: Existing Flowcode V3 users with versions older than V3.6 can update their current installation to V3.6 by running the patch file in the 'MSI\patch210109' folder of the CD.**
- MIAC USB drivers required by the programming application. These also support communications with other PC based applications (VisualBasic and Lab-View examples are included on the CD).

Please read the '**Operation & Programming Guide**' carefully before attempting to connect or program the MIAC

### **Installing Flowcode:**

If the CD is able to 'AutoPlay' when it is in your PC, the Flowcode Launcher will be displayed. If 'AutoPlay' fails, or is disabled, the launcher can be started by running the 'file <CD drive>\:RunMe.exe'.

The 'Install Flowcode' button starts the installation process.

The "DOCS" folder of the CD contains:-

- The '**Flowcode v3 Getting Started Guide**' which provides basic instruction for the installation and use of Flowcode.

### **Installing the MIAC drivers:**

Connecting the MIAC to the USB port of a PC for the first time will initiate the Windows 'Found New Hardware Wizard'. If the CD supplied with the MIAC is in the CD drive of the PC, the wizard will automatically locate and install the required USB drivers.

See the 'Installing drivers and software' section of the 'Operation and Programming Guide' for more information

### **Additional requirements:**

- A 12 - 16V d.c. power source.
  - 2.1mm power jack connector
  - 250mA min, 2A maxor
  - Bare wire termination to 0V and V+ terminals
  - 250mA min, 4.25A max load if also supplying the M terminal
- A USB A to B mini lead

### **Support:**

Please visit the Matrix Multimedia website for information, documents, updates, tutorials, examples, FAQs, and user forums:

<http://www.matrixmultimedia.com>

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# FLOWCODE 4

NO CODING, NO LIMITS...

Version 4 of Flowcode  
now available!



Your brand new MIAC is delivered with a special version of the Flowcode v3 graphical programming software. Flowcode 4 is now available and offers you the following advantages:

- Software support via our Forum
- Improved graphical user interface
- Flowcode 4 includes floating point support plus a wider range of integer types.
- New Panel creator and improved MIAC graphics create a more interactive and realistic simulations
- Flowcode 4.1's Virtual Chip Networking feature (from V4.1) allows you to wire up virtual networks of MIACs to simulate a complete multi-MIAC system using CAN bus.
- Switch-Case constructs allows MIAC users to generate neater programs replacing multiple levels of 'decision' icons.
- Component code customisation allows more advanced users to customize the C code behind Flowcode's components. Customisations can be imported and exported between programs.

Please contact your dealer for details on how to get a copy of Flowcode 4.

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